Version With Markings To Show Changes Made

Brackets to designate deletions are in bold typeface to distinguish them from brackets that may be an integral part of the text.

In the Specification:

At page 1, line 2, after the Title, please insert the following continuing data paragraph:

--This application is a division of U.S. Serial No. 09/399,212 filed September 17, 1999, abandoned, and is further related to U.S. Serial No. 09/898,200, filed July 2, 2001, which is a division of U.S. Serial No. 09/399,212.--.

At page 1, line 4, after the Statement of "Government License Rights", please delete the entire continuing data paragraph before "Background of the Invention."

[This application is a division of U.S. Serial No. 09/399,212 filed September 17, 1999, and is further related to U.S. Serial No. _____, filed July 2, 2001, which is a division of U.S. Serial No. 09/399,212.**]**

At page 11, lines 17-19, please delete the paragraph, and insert the following paragraph therefor:

--Figure 2 shows a genetic map of the bm region of mouse chromosome 19. The 0.7 cM interval containing the disease gene and locus *D19Mit13* is shown with a darker line; nucleotide sequence of the *D19Mit13* locus and flanking sequences are shown in SEQ ID NO:29.--.

At page 11, lines 20-25, please delete the paragraph, and insert the following paragraph therefor:

--Figure 3 shows a variant allele of PAPSS2 associated with SEMD Pakistani type. Sequences derived from amplified DNA fragment from an affected family member (SEMD) and from a control (NL) are shown. An arrow at nucleotide +1424 marks the location of a mutation, and the DNA sequence and the implied effect of the mutation on the PAPSS2 protein sequence is summarized below the nucleotide sequence. "Normal" shows nucleotide positions +1414 through +1431 of the PAPSS2 coding sequence (SEQ ID NO:30), with the corresponding amino acid sequence (SEQ ID NO:31) directly underneath. "SEMD" shows nucleotide positions +1414 through +1431 of the PAPSS2 coding sequence containing the mutation at nucleotide position +1424 (SEQ ID NO:32) that produces a TAA stop codon, with the corresponding amino acid sequence (SEQ ID NO:33) directly underneath; "X" indicates truncation of the PAPSS2 protein after amino acid residue 474 of SEQ ID NO:7.--.

At page 12, lines 1-3, please delete the entire paragraph.

[Figure 2 shows a genetic map of the bm region of mouse chromosome 19. The 0.7 cM interval containing the disease gene and locus *D19Mit13* is shown with a darker line]

At page 12, lines 4-9, please delete the entire paragraph.

[Figure 3 shows a variant allele of PAPSS2 associated with SEMD Pakistani type. Sequences derived from amplified DNA fragment from an affected family member (SEMD) and from a control (NL) are shown. An arrow at nucleotide +1424 marks the location of a mutation, and the DNA sequence and the implied effect of the mutation on the PAPSS2 protein sequence is summarized below the nucleotide sequence.]